

## Mathematical simulation of a steady process of anisotropic filtration

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### Abstract

© Published under licence by IOP Publishing Ltd. This article discusses the methods of approximate solution of mixed variational inequalities with operators of monotone type. The functional, which is included in this variational inequality, is separable, in other words, it is the sum of a number of nondifferentiable functionals. These variational inequalities appear, in particular, in the description of steady incompressible filtration processes of highly viscous fluids in anisotropic medium.

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